

The listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (Canceled).

Claim 9 (New).

An adsorption filter for fuel vapors from the tank container in particular of an internal combustion engine in particular of a motor vehicle, said filter being regenerable by desorptive countercurrent backflushing and in which the adsorptive and/or desorptive filter material has heat-storing substances comprised of phase change material (PCM material=phase change material),

wherein the phase change material (7', 7'') is provided in the form of small units distributed within the reactive filter material and has phase change limits that are different with regard to temperature in the direction of flow through the adsorption filter.

Claim 10 (New). The adsorption filter according to Claim 9,

wherein the temperature values of the phase change limits in the adsorption function increase downstream from the filter.

Claim 11 (New). The adsorption filter according to Claim 9, wherein downstream from at least two filter areas with PCM material, there are different phase change limits with regard to the temperature.

Claim 12 (New). The adsorption filter according to claim 9, wherein phase change materials having different phase change temperatures are present at the same time in an end area downstream from the adsorption filter.